

GENERAL NOTES
ALTERNATE I

GALVANIZED STEEL SHEET
USE GALVANIZED STEEL SHEET CONFORMING TO AASHTO M 218.

CONNECTORS
PAYMENT FOR END SECTION SHALL INCLUDE CONNECTION OF THE TYPE REQUIRED FOR THE SIDE DRAIN USED.

SAFETY BARS
SHALL BE 3" SCHEDULE 40 GALVANIZED STEEL PIPE. PIPE TO BE GALVANIZED AFTER FORMING. SAFETY BAR(S) SHALL BE REQUIRED FOR ALL SAFETY END SECTIONS.

MISCELLANEOUS DETAILS
DETAILS OF CONSTRUCTION MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE MANUFACTURER'S REQUIREMENTS, SUBJECT TO APPROVAL BY THE D.O.T.'S LABORATORY. A SAMPLE MUST BE SUBMITTED TO PRE-QUALIFY THE PRODUCT.

SIZES, DIMENSIONS, AND THICKNESSES										
PIPE DIA. (IN.)	MIN. THICK. IN.	GAGE	DIMENSIONS (INCHES)				SLOPE (S:I)	* L DIMENSION		
			A	H	W (H+6")	OVERALL WIDTH		LENGTH (IN.)	SLOPE (S:I)	LENGTH (IN.)
15	.064	16	8	6	21	37	4:1	20	6:1	30
18	.064	16	8	6	24	40	4:1	32	6:1	48
24	.064	16	8	6	30	43	4:1	56	6:1	84
30	.109	12	12	9	36	60	4:1	80	6:1	120
36	.109	12	12	9	42	66	4:1	104	6:1	156
42	.109	12	16	12	48	80	4:1	128	6:1	192
48	.109	12	16	12	54	86	4:1	152	6:1	228

*SEE STD. NO. 903IT FOR SLOPES AT SIDE ROAD OR AT DRIVES.

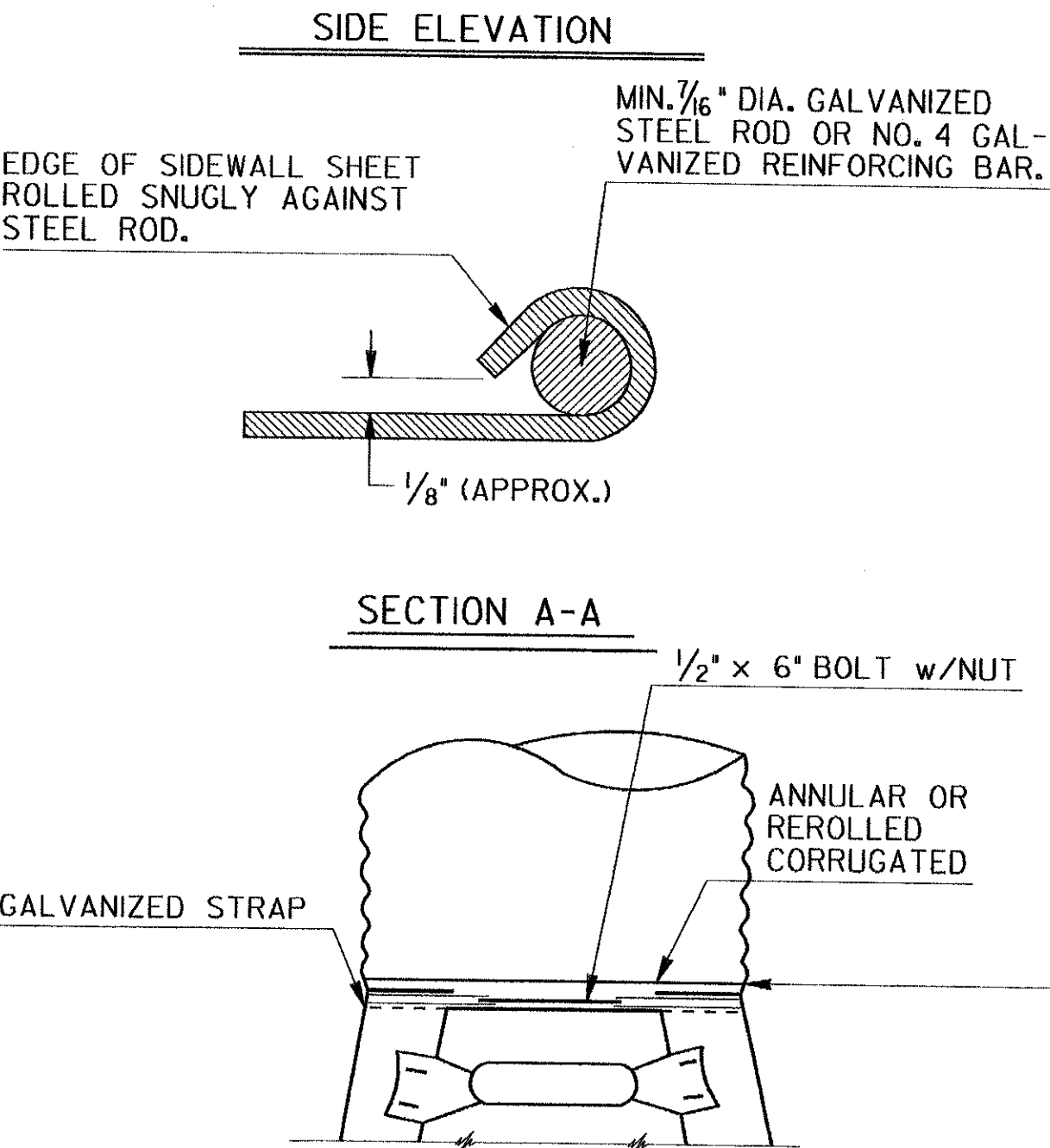
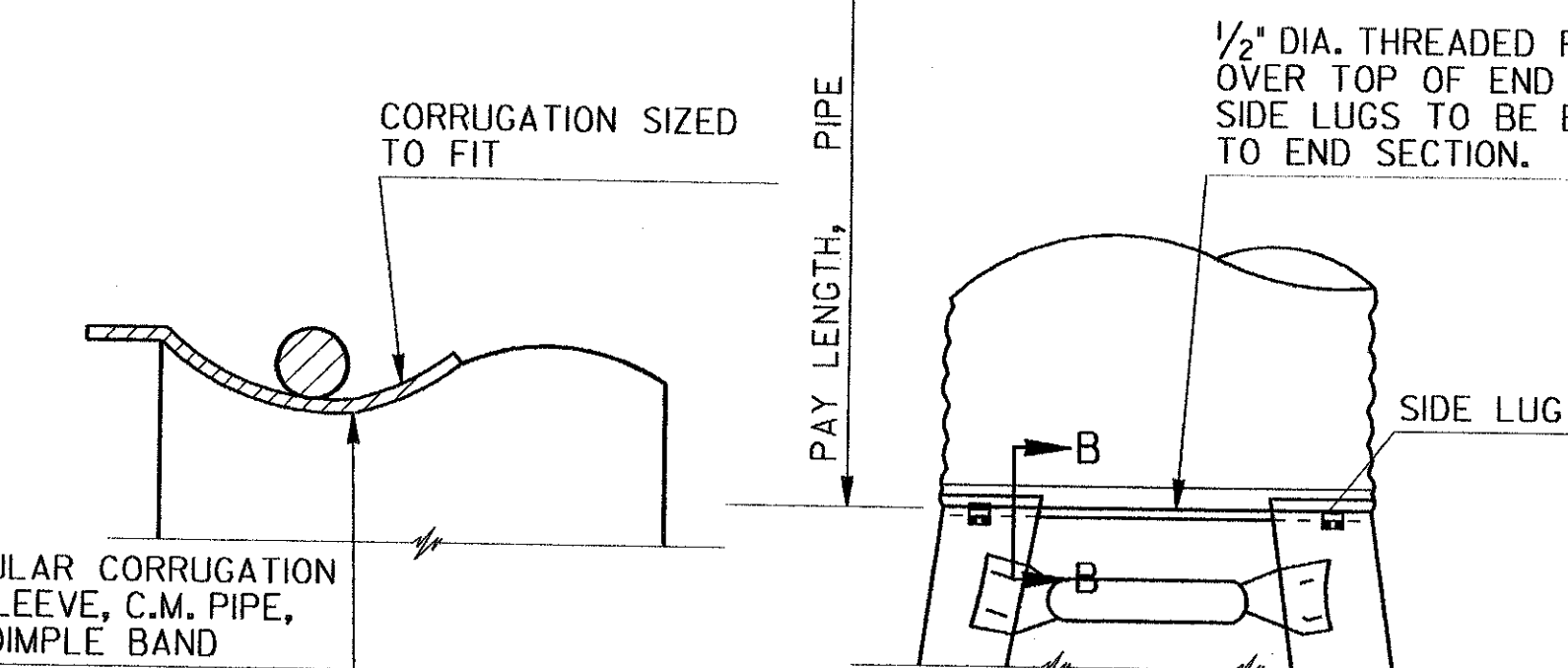
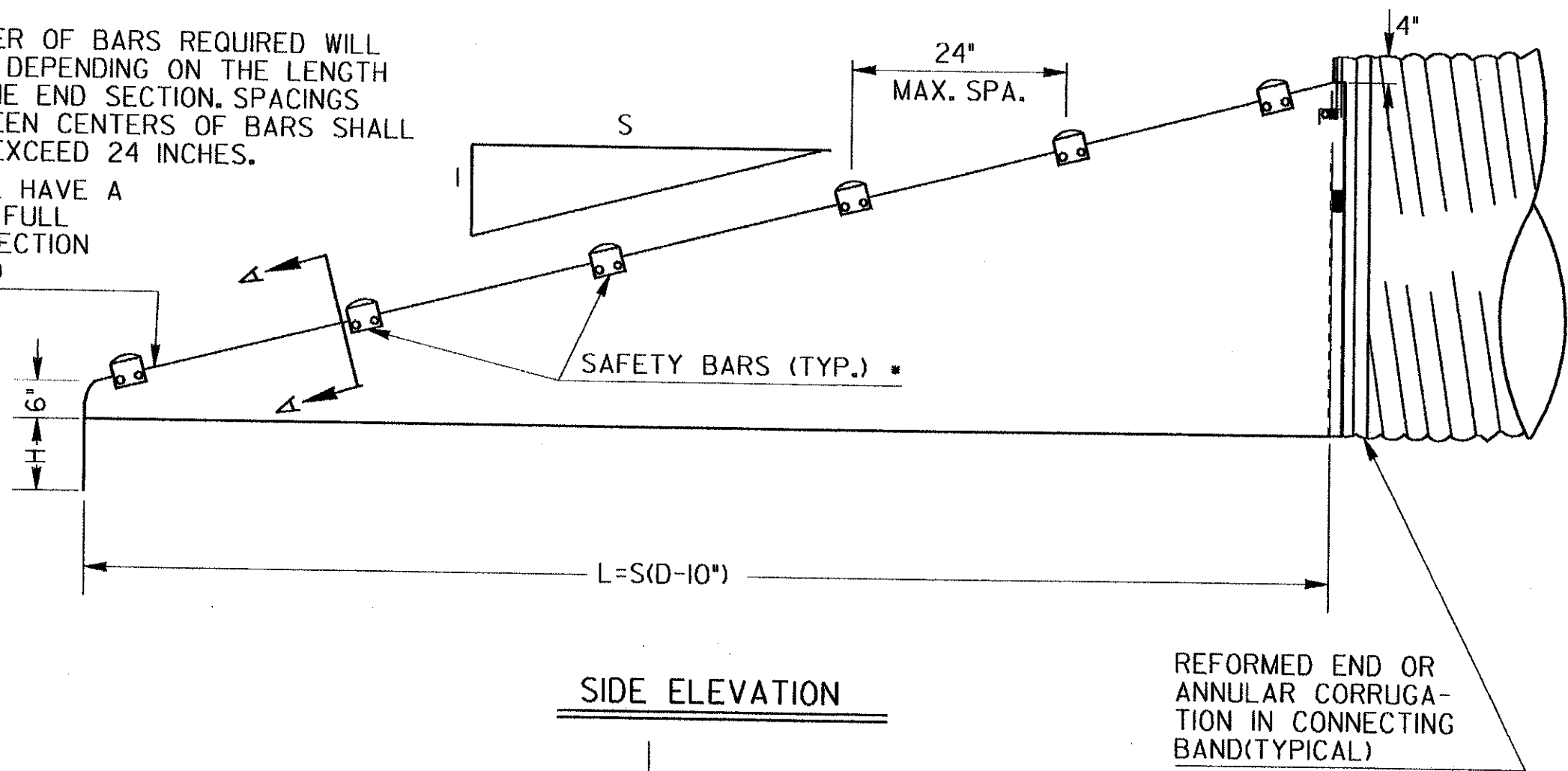
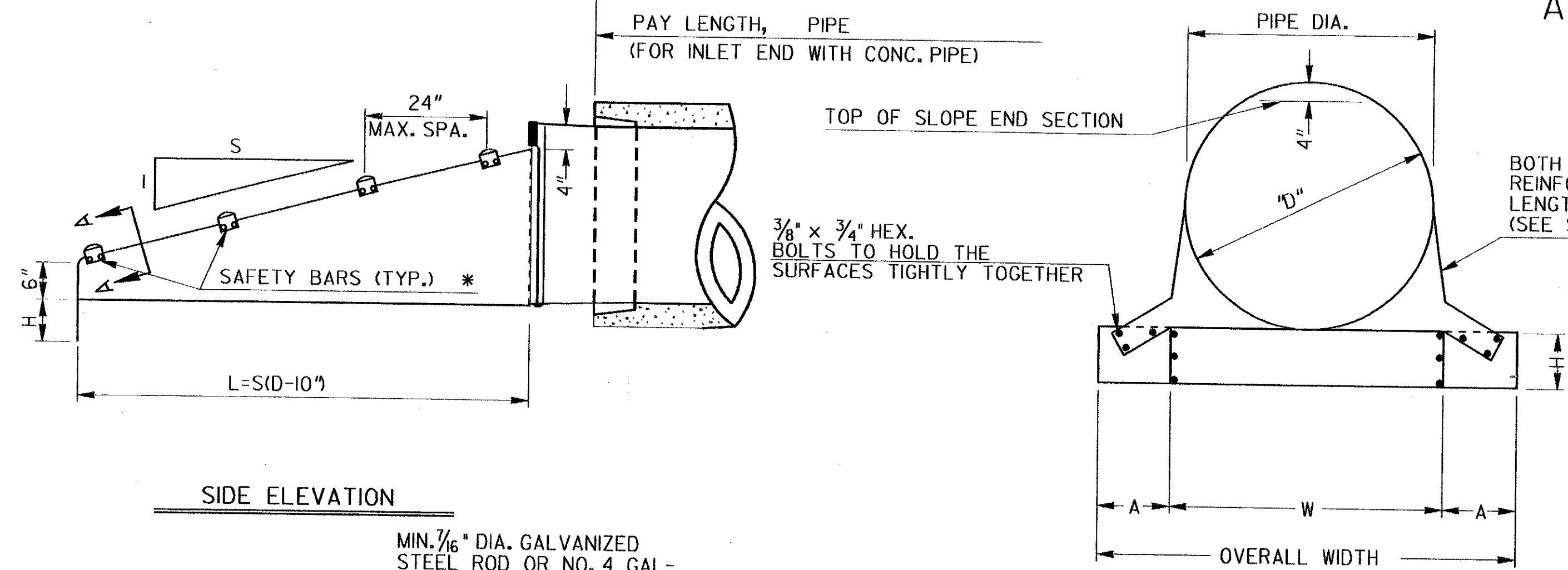
SPECIAL NOTE:

WHERE THE LENGTH OF DITCH OR THE DISTANCE BETWEEN THE POINTS OF END SECTIONS ON SEPARATE INSTALLATIONS WOULD BE LESS THAN 30 FT., CONTINUED S.D. PIPE WITH AN INTERMEDIATE INLET OR OTHER ALTERNATE MAY BE SPECIFIED INSTEAD.

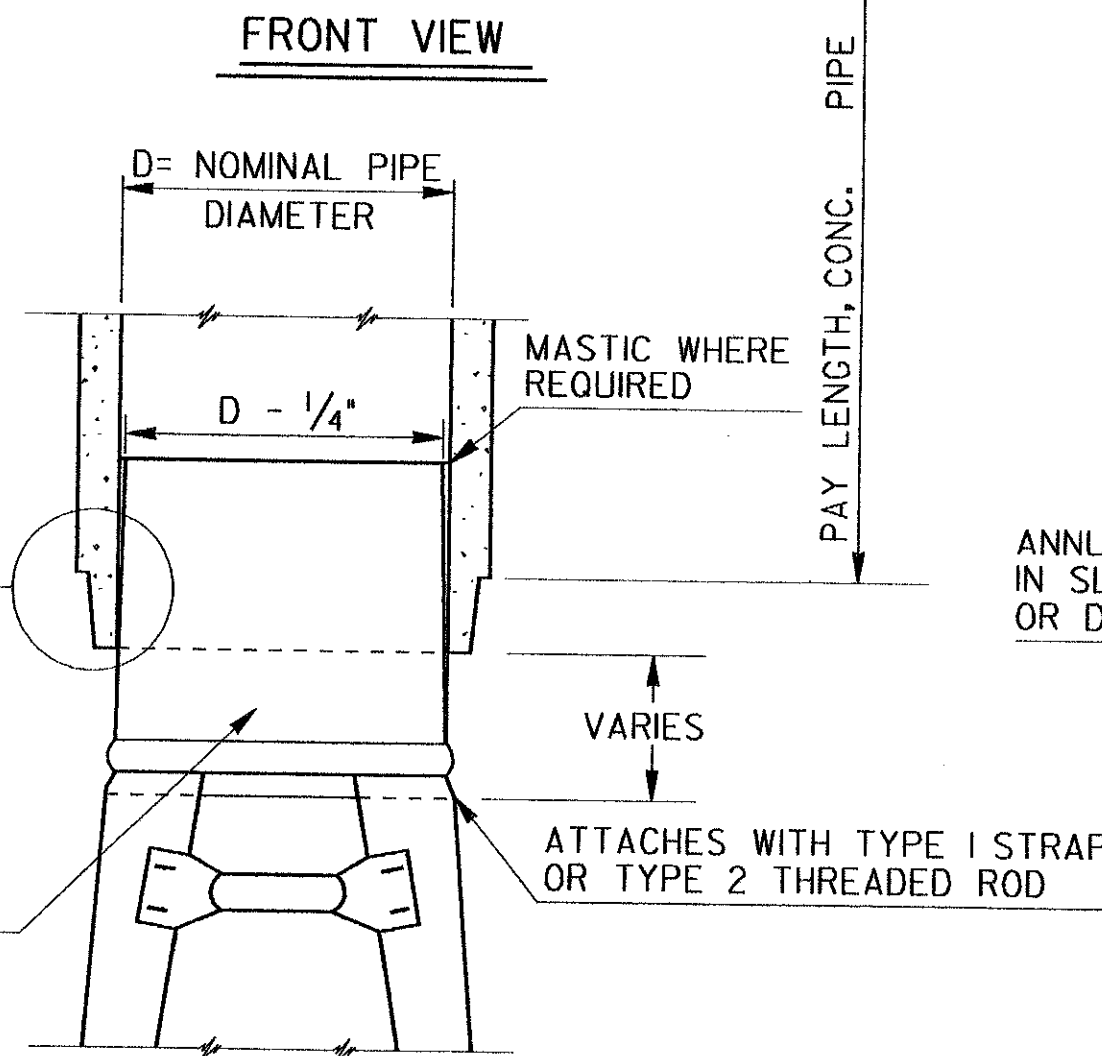
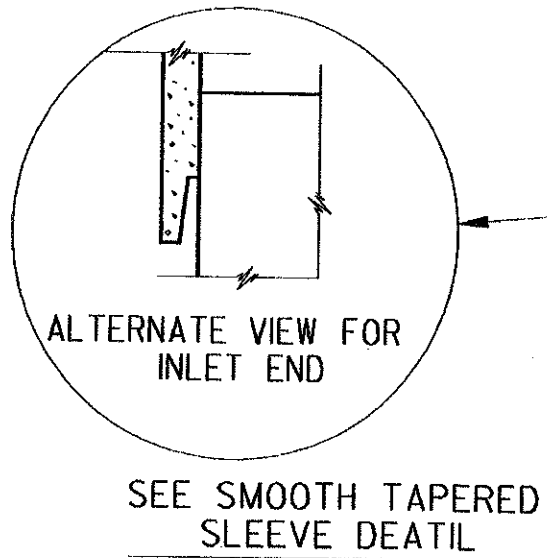
ALTERNATE I

* NUMBER OF BARS REQUIRED WILL VARY DEPENDING ON THE LENGTH OF THE END SECTION. SPACINGS BETWEEN CENTERS OF BARS SHALL NOT EXCEED 24 INCHES.

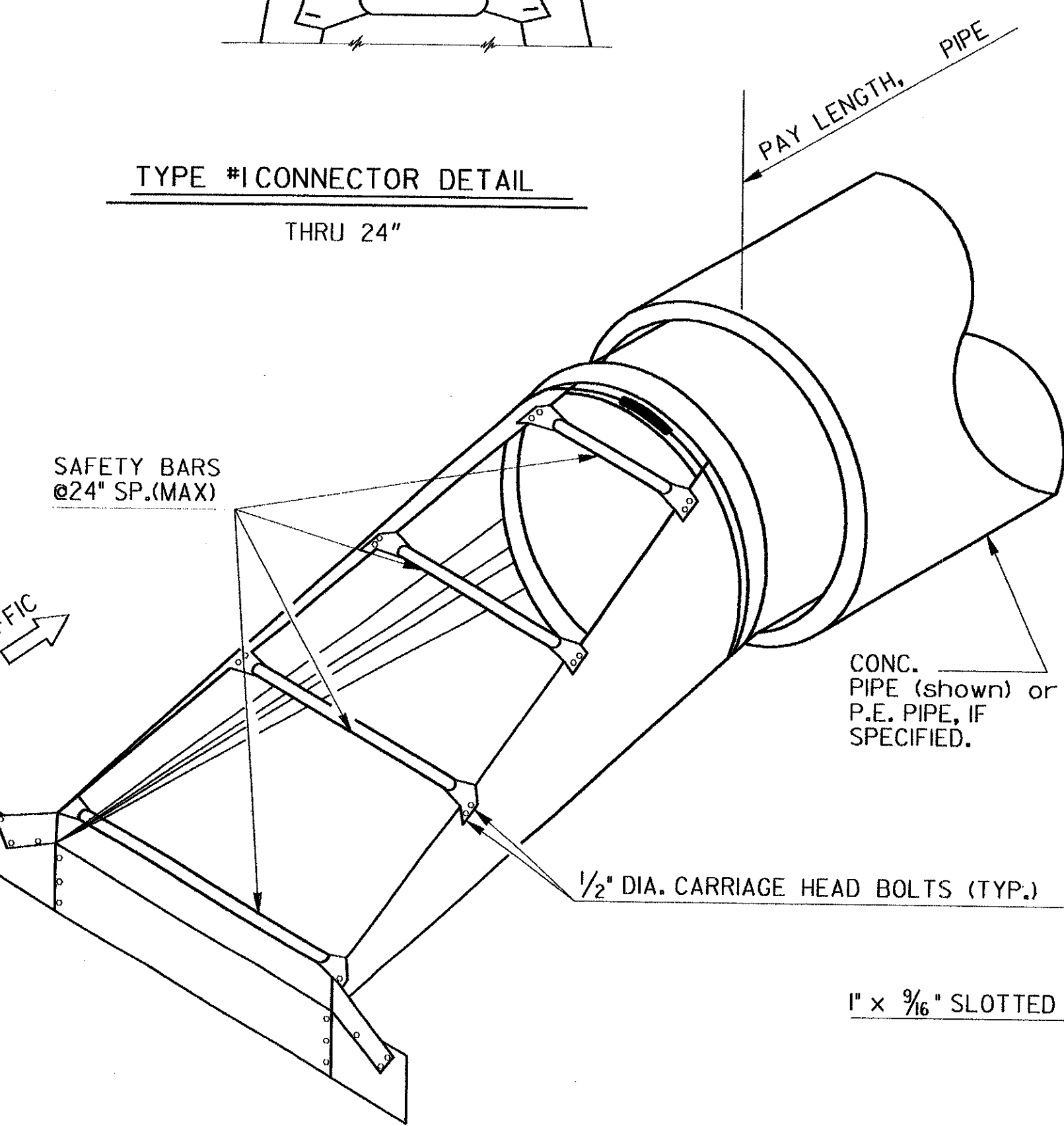
BOTH SIDES SHALL HAVE A REINFORCED EDGE FULL LENGTH OF END SECTION (SEE SECTION A-A)



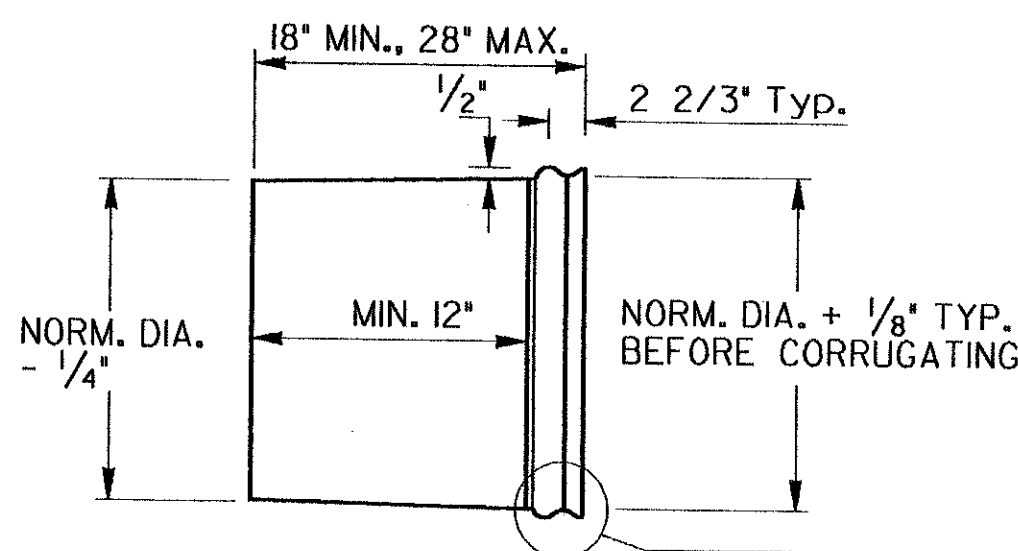
NOTE:
Payment for Safety End Section shall include Tapered Sleeve.



TYPE 3 ALTERNATE CONNECTOR (NOT SHOWN)
A DIMPLE BAND COLLAR MAY BE SHOP BOLTED TO THE END SECTION

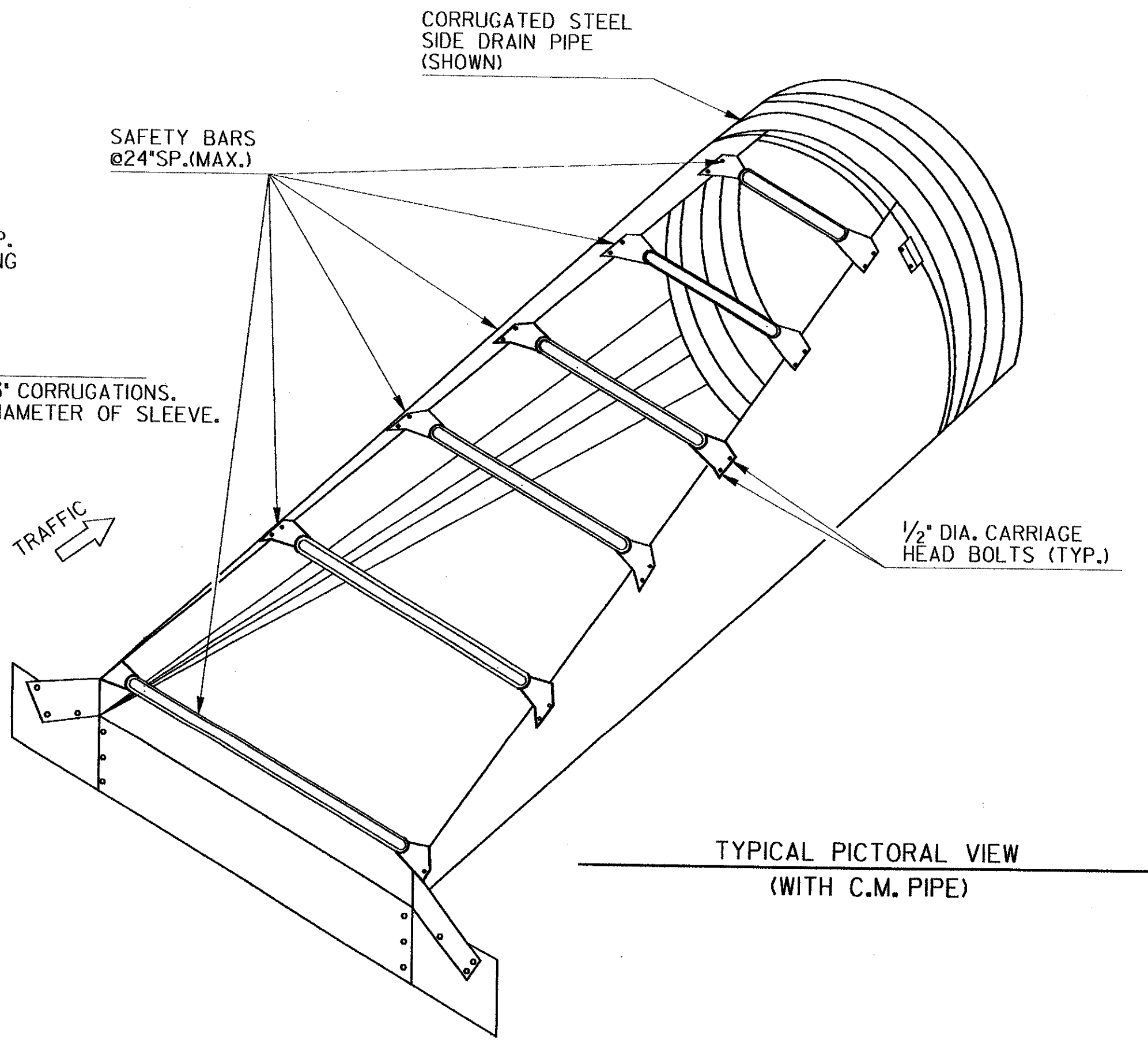
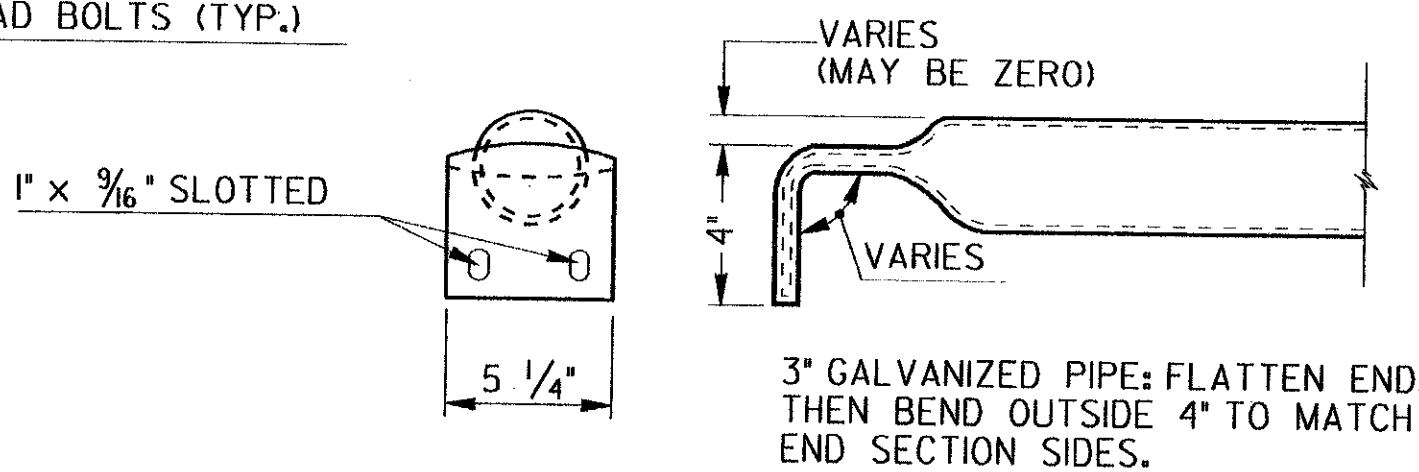


TAPERED SLEEVE FOR ATTACHING STEEL END SECTIONS TO SMOOTH PIPE



NOTE: METAL TO BE 12 GAGE, SMOOTH GALVANIZED IN ACCORDANCE WITH AASHTO M218-AND COATED AS REQUIRED FOR END SECTION.

TYPE 4 CONNECTOR
SMOOTH TAPERED SLEEVE DETAIL



DEPARTMENT OF TRANSPORTATION STATE OF GEORGIA					
STANDARD SAFETY END SECTION (METAL)					
(FOR SIDE DRAIN PIPE-OR FOR STORM DRAIN PIPE PARALLEL TO MAINLINE)					
ALTERNATE I					
NO SCALE					
DESIGNED _____ (SUBMITTED) _____					
DRAWN _____ STATE ROAD & AIRPORT DESIGN ENGINEER					
TRACED _____ (APPROVED) _____					
CHECKED _____ CHIEF ENGINEER					